Manatt Phelps and Phillips (650.812.1300) Inventors: Jacob Waugh et al

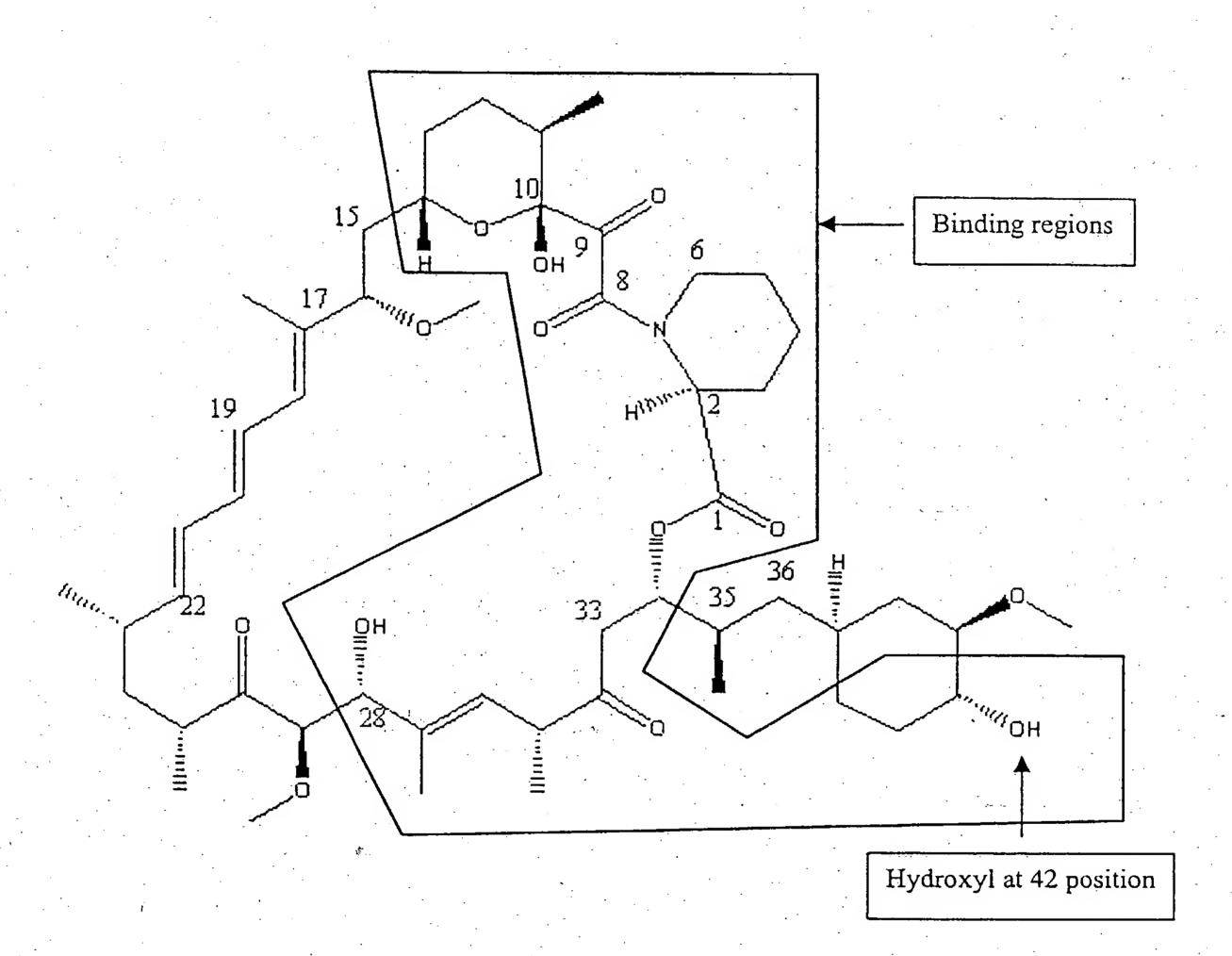
Inventors: Jacob Waugh et al
Application No.: Not Assigned Yet
For: POLYMERIZED AND MODIFIED

RAPAMYCINS AND THEIR USE IN COATING

MEDICAL PROSTHESES

Filed: July 2, 2003

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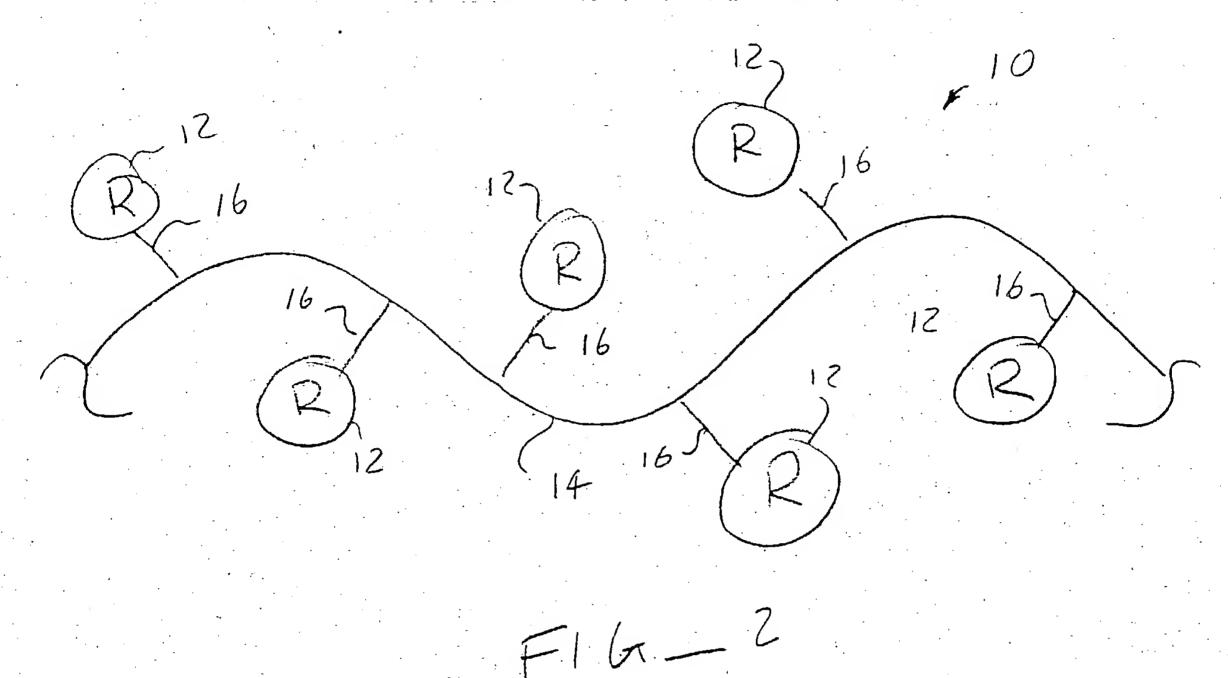
Manatt Phelps and Phillips (650.812.1300)
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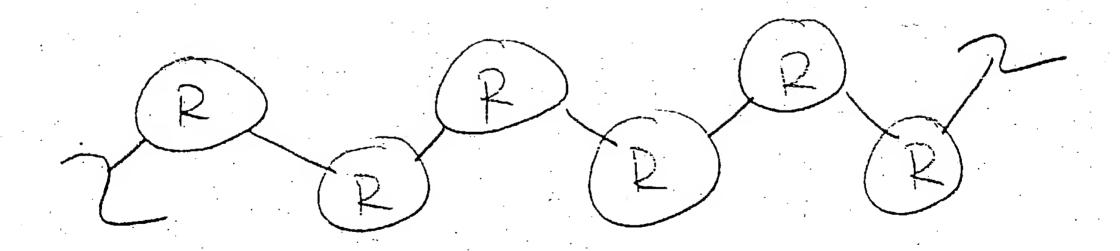
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Backbone

Bind Rapamycin

- Covalently bind
- (2)Non-covalently bind

Linked Rapamycin Composition

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Poly (amino acid)

(1) Optionally derivative available binding moiety

Covalently bind rapamycin

Poly (amino acid)

with covalently bound rapamycin

- (1) Retains activity when bound
- (2) Activity inhibited when bound

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Rapamycin

Derivative with moiety

Derivatized Rapamycin

Polymerize via moiety

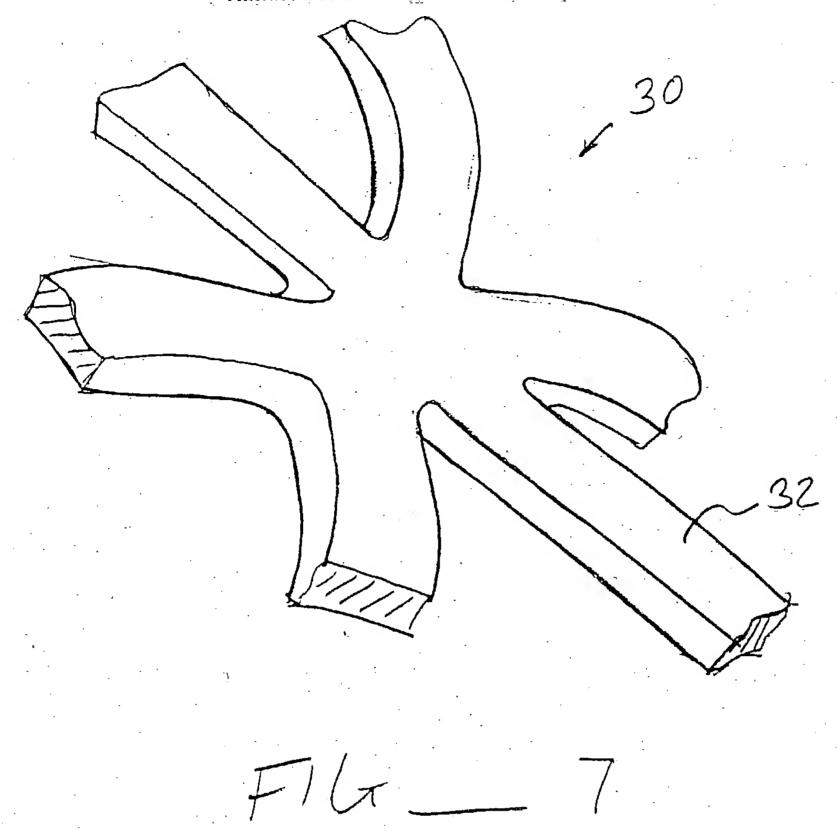
Polymerized Rapamycin

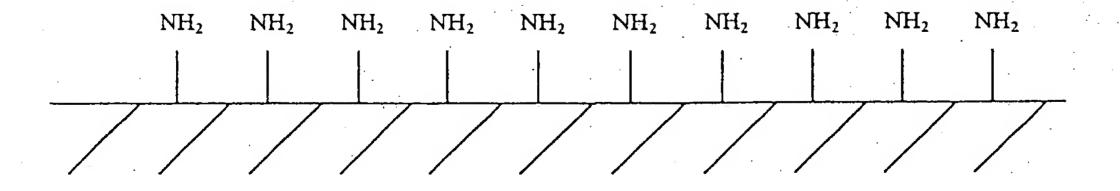
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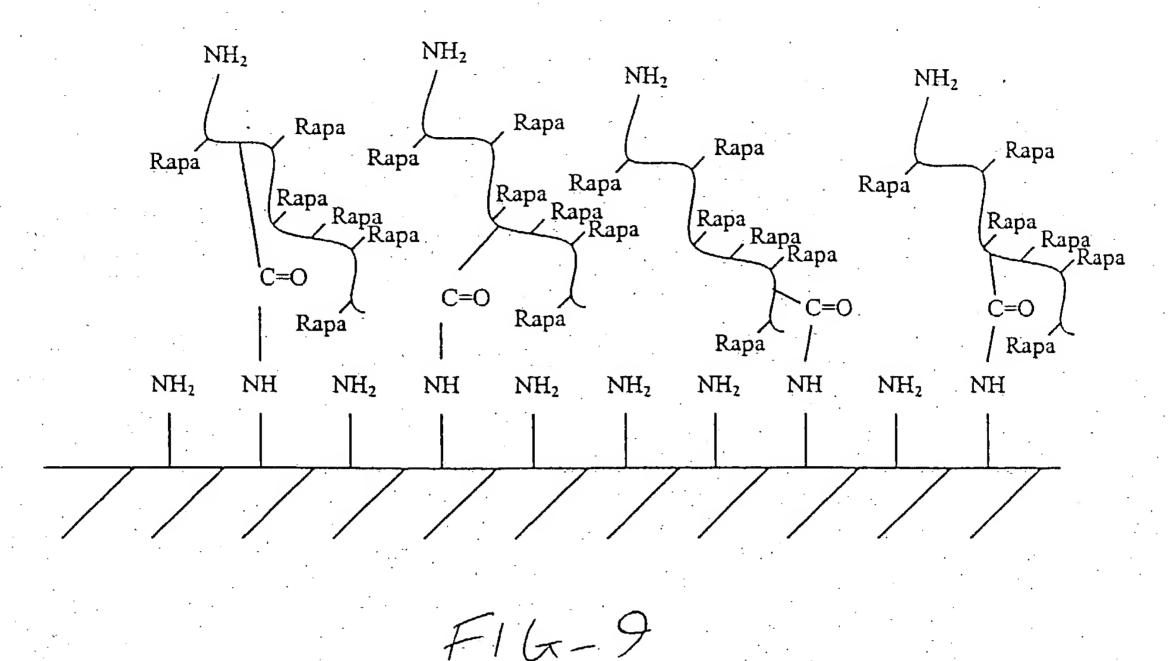


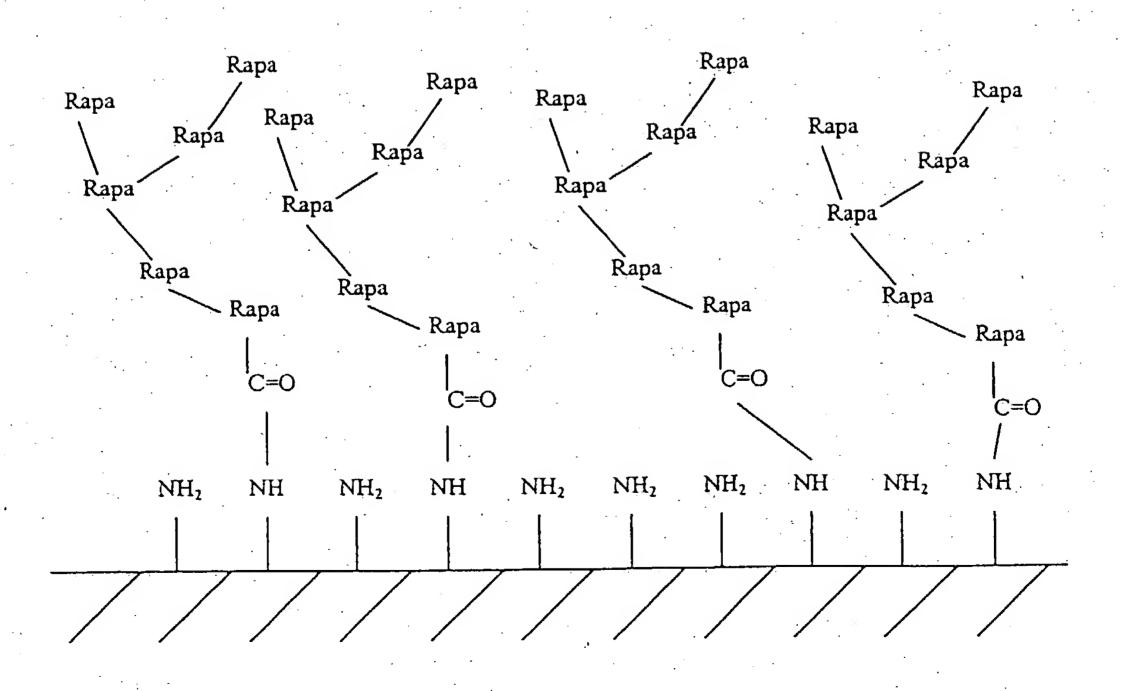


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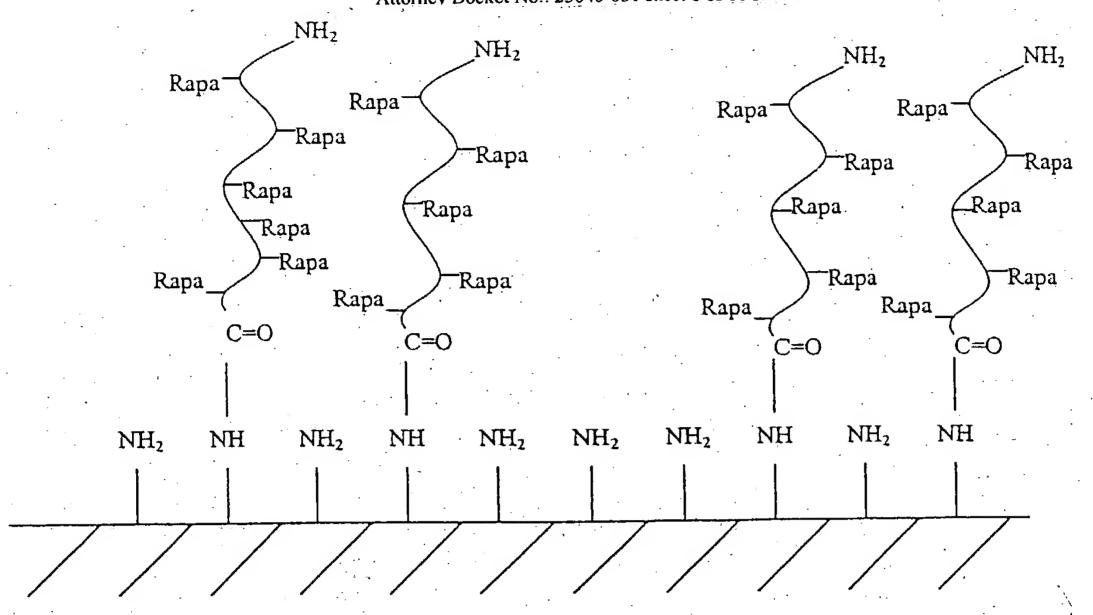
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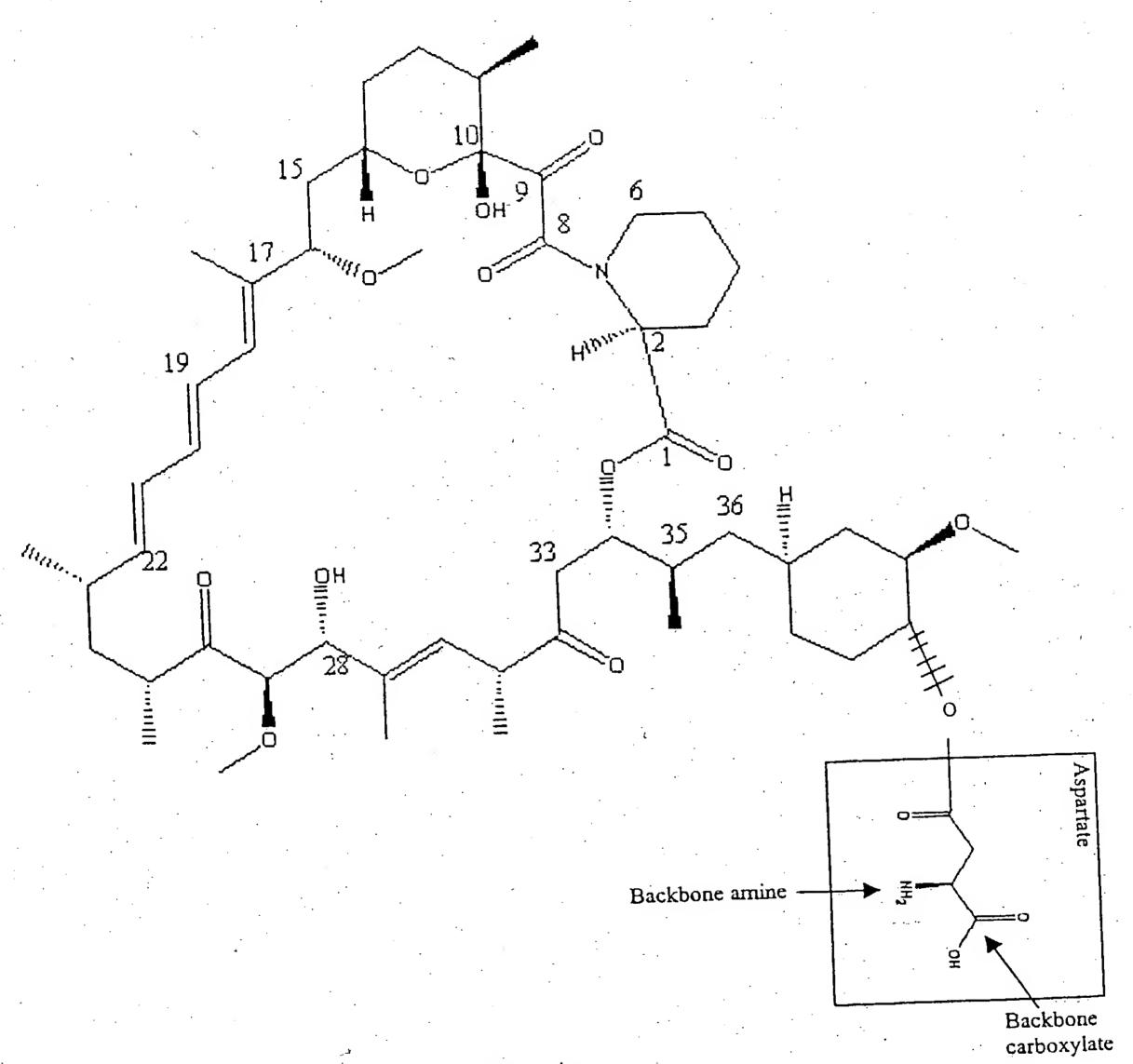
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F16-11

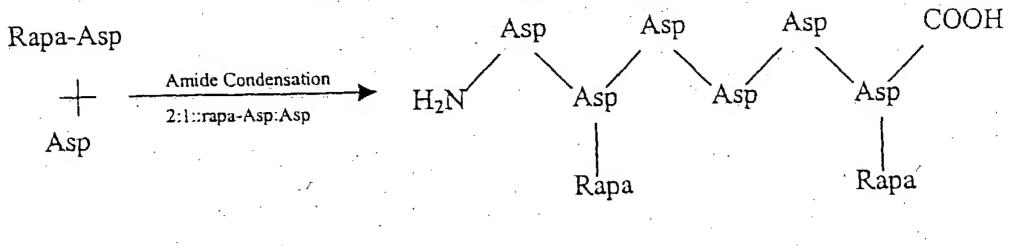
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Rapa-Asp

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